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PROGRESS REPORT

April 22, 1952

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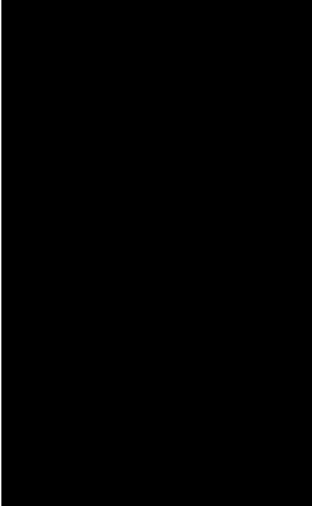

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DIRECTOR

A. PURPOSE

As originally outlined in the Progress Report of December 6, 1951, this project arose from an interest of a government agency in the possibility that Soviet control and information systems might be susceptible to perturbation. The initial investigation led to the selection of four potentially fruitful areas of the Soviet system for study and experimentation.

1. ECONOMIC PERTURBATION

This section comprises a study of the vulnerabilities of the Soviet economic organization to overload and delay as deliberately introduced through the manipulation of foreign trade channels. The Soviet administrative organization is susceptible to such disturbance because of its system of over-centralized planning and control with insistence upon standard practices and detailed accountability.

2. RUMOR

This study is concerned with the information network, with particular emphasis on the press and upon rumors. It explores potential methods of using information networks to advantage, either by spreading unwanted truth or disconcerting error through the system.

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there will be a statement concerning further areas to be investigated and possible provisions for continuation.

2. RUMOR

This study is about 80 per cent complete. There remain a review of the data, the inclusion of the results of further research, and rewriting.

3. PREDICTION OF GROUP ACTION

This study is about 70 per cent complete. The remaining work involves additional calculations, one more experiment to be done, and a final writeup.

4. CONDITIONS FOR CREDIBILITY

This study is about 85 per cent complete. All experimental work has been done, and the remaining work includes further calculations and writing up the experiments.

C. PERSONNEL

There are now ten people working on the unclassified aspects of the study, and one working in classified areas. There have been two additions to the staff since the last report but no further expansion of the staff is anticipated between now and the end of the project on June first. A personnel list appears in Appendix I.

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VULNERABILITY STUDIES
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DIRECTOR - [REDACTED]

A. PURPOSE

As summarized in the previous Progress Report, this project was designed as an operational analysis of the vulnerability to political warfare of the Soviet Union and its European orbit. It consists of two major stages:

1. Examination of the available research and intelligence on the Soviet Union with the objective of formulating an analytic framework for the analysis of the Soviet's current position and trends particularly as these are, or might be, affected by the motivations and frustrations of various groups within the society.

2. Application of this analysis to operational issues selected from such fields as diplomacy, broadcasting, covert operations, and military planning.

B. CURRENT STATUS

As a result of the development of our own research and of numerous Washington contacts, it is now possible to indicate somewhat more clearly the shape which the final report is likely to assume. There follows a tentative outline of the proposed contents which indicates the approximate length and estimated percentage of completion of each section.

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VULNERABILITY STUDIES

- I. Summary of Suggestions for Policy and Action (10 pages at most).
- II. Summary and Conclusions of Analysis.
 - A. The Dynamics of Soviet Society (about 30 pages). 90% complete
 - B. Some Apparent Implications of Soviet Vulnerability for U.S. Policy and Action (about 30 pages). 50% complete
- III. Staff Papers. (about 25 pages each).
 - A. Nationalities. 65% complete
 - B. Cancellation. 75% complete
 - C. Others to be Decided Upon.
- IV. Appendices.
 - A. The Dynamics of Soviet Society 90% complete
 - B. Soviet Leadership 75% complete
 - C. Nationalities 65% complete
 - D. The European Satellites 85% complete
 - E. Soviet Prototypes 50% complete
 - F. Analytic Summary of Theories About Soviet Vulnerability.
90% complete

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VULNERABILITY STUDIES

The target date for completion of all portions of the report is June 30, 1952.

The following sections indicate briefly the proposed substance of each element of the report.

I. Dynamics of Soviet Society

The fundamental essay on the dynamics of Soviet society which will appear as Appendix A and in summary form as II A, is well advanced. With a few exceptions, the research elements envisaged as contributing to this analysis are complete. The analysis will attempt to indicate how Soviet Russia has evolved since the Revolution in its various aspects and then take stock of its major cohesive forces, instabilities, and tensions as of the present time. It is envisaged that a first draft of this analysis should be completed by mid May. It is hoped that it will be first criticized by a small group of academic experts on Soviet society and then will go for criticism to OIR and other working level sections of the Government.

II. Apparent Implications of Soviet Vulnerability

Our preliminary analysis of the Soviet position led us to two conclusions:

- A. That the Soviet regime feels itself vulnerable to a judgment by its people that its policy is not in the national interest and, therefore, is going to extraordinary lengths in its information policy to identify the regime with the national interest and to portray U.S. aims vis-a-vis Russia as aggressive in the same

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sense that Hitler was aggressive to Russia;

- B. That any forward planning by the U.S., looking to a Russian internal crisis or to war requires a more precise definition of ultimate U.S. aims than has been formulated in Washington. To test these lines of thought as well as to sort out certain concrete problems on which our work might be concentrated in the latter stages of the project, three working papers were written and discussed informally at the Pentagon and in the Department of State. As a result of these discussions certain specific tasks were isolated and staff papers assigned. The conclusion was reached that it would probably be more helpful if the project proceeded without a formal effort to define U.S. aims but rather to approach the matter from the side of Soviet vulnerability. As presently envisaged, II B, (Some Apparent Implications of Soviet Vulnerability for U.S. Policy and Action), will bring together certain tentative conclusions arising from the analysis of vulnerability concerning potentialities in the U.S. interest under conditions of cold war, internal crisis, and hot war. The exact content and form of these observations cannot, of course, now be predicted.

III. Staff Papers

In addition to such general observations as may be incorporated into

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VULNERABILITY STUDIES

section II B of the final report, it is envisaged that a limited group of more detailed papers will be written. They will be about 25 pages in length. They will certainly include a paper summarizing Appendix C (Nationalities) as well as a paper on the problem of Cancellation bringing to bear in one operational context Appendix B (Soviet leadership). In addition, it may be that one or more of the specific issues suggested for treatment by the Planning Staff of the Department of State may be isolated out for a separate staff paper as well as for treatment in Section II B. It is further possible that, after consultation with V.O.A., a staff paper based on section II A will be prepared for that organization.

IV. The Appendices

Although an effort will be made to bring sharply into focus whatever practical conclusions emerge from our research analysis in sections II A and B, it is envisaged that the research results will be presented fully in a series of appendices. As now envisaged, the following appendices will be attached to the report:

A. The Dynamics of Soviet Society

A full scale statement of the line of argument and evidence underlying section II A.

B. Soviet Leadership.

A summary of information available and newly collected on members

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of the Politburo and other high officials in the Soviet regime. Some 40 interviews with men who have had personal experience with Soviet officials have now been carried out. This new information will be incorporated in a summary analysis of the individuals concerned, the manner in which they appear to group themselves politically, the interplay among them, etc. These interviews were undertaken on a sample basis. The possibilities of this technique have by no means been exhausted. One purpose of the project has been to see whether the results would justify an extension of this method of acquiring information.

C. Nationalities

As indicated in the Draft Working Plan it has always been envisaged that this project would seek to make a special contribution to clarifying the present state of the nationality issue within the borders of the Soviet Union. To this end a considerable program of research is now underway designed primarily to give to the Government a better factual basis for judgment on this difficult matter. The project has taken on additional staff for this purpose; and extremely useful arrangements have been worked out with [REDACTED] 25X1A5a1

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[REDACTED] The Appendix will lay out, in all possible detail, such new factual evidence as can be generated. For

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VULNERABILITY STUDIES

the present, the nationalities investigation will be confined to the Ukraine and to the Caucasus.

D. The European Satellites

This Appendix will present a summary analysis of the cohesive forces and tensions within certain European satellites: Poland, Czechoslovakia, Eastern Germany, and Bulgaria. Further, an analysis of the position of Yugoslavia as an ex-satellite will be presented. Emphasis will be given to the positive aspirations of the satellite peoples, in the light of their history and present dilemma.

E. Soviet Prototypes

This section will consist of a series of creative analyses of types within Soviet society based on interview material, Soviet novels, etc., and designed to bring together, in one form, such knowledge as is available on cohesive forces, instabilities and tensions in the Soviet structure. One of these prototype analyses (a factory manager) has already been completed in draft by [REDACTED] It has been found extremely suggestive; and it may be that this branch of the project may justify continuance beyond June 30, 1952. It is hoped that a good sample, at least, of these prototype analyses will be included within the project report. The main analytic results will be incorporated into the general analysis of the Dynamics of Soviet Society.

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F. Analytic Summary of Theories About Soviet Vulnerability

This essay will compare the explicit and implicit explanations of Soviet behavior which have been offered in recent writing about the Soviet Union. These views will be related to such hypotheses as are advanced by us in our treatment of the Dynamics of Soviet Society.

G. Certain Interim Tasks

It has been found possible and useful for the project to contribute to work going forward in the Government, on the basis of the project's interim data and conclusions, without diverting the main lines of our research. It is felt that a research center of this kind should be prepared to make an effort to make its results useful to the Government at moments when the machinery of the Government requires that interim conclusions be drawn, rather than merely to present a final report in its own good time.

H. PERSONNEL

There are now approximately 22 persons working on the classified aspects of this project, and 23 persons working on unclassified phases. These figures include consultants and information sources, as well as full-time staff and non-staff members.

A personnel list appears in Appendix I. An asterisk designates those persons added to the project since the time of the last report. It is not anticipated that further staff additions will be required.

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DEFECTOR STUDIES

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DIRECTOR

A. PURPOSE

As summarized in the previous Progress Report, the first objective of this project is to produce a comprehensive study of the psychological and sociological factors involved in the rehabilitation and resettlement of defectors. The second but longer term objective will be to produce improved methods for the inducement of defection and to make other contributions to the defector problem.

25X1A9a The value of this project is that it will bring together the experience of [REDACTED] (and other Government personnel with operational backgrounds) with the practical and theoretical knowledge of psychiatrists and social scientists.

B. CURRENT STATUS

25X1A9a On April 2, the following semi-final reports were submitted to [REDACTED] and discussed with him and his assistant, [REDACTED] 25X1A9a

1. Methods of English Language Instruction (Terms of Reference, II-5-A)*
2. Orientation Program (II-5-B)
3. The Psychology of Displaced Persons in General and of Defectors in Particular (II-B-1 and -2)**

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4. Testing and Screening Methods (II-B-4)

* Copies of pamphlets and books recommended for use in instruction were left with [REDACTED] 25X1A9a

** Copies of tests translated into Russian were left with [REDACTED] 25X1A9a

25X1A9a Certain aspects of these reports were also discussed with [REDACTED]

25X1A9a [REDACTED] and I visited the Marine Schools at Quantico, Virginia on April 3 to obtain certain information on their assessment program

25X1A5a1 there. It was agreed that I would visit the assessment program at [REDACTED] before completing this portion of the final report.

25X1A9a [REDACTED] was also briefed orally on the remaining portions of the final report.

There are no indications that the program will take any significantly different character than as originally planned.

At the present time, approximately 90 per cent of the research and about 40 per cent of the report writing have been completed. The anticipated date for the final report is now June 15, 1952. This is somewhat later than originally planned. However, while this program has received excellent support from all sources, part of the delay is the result of some slowness in obtaining clearances.

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G. PERSONNEL

There are now approximately nine persons working on the unclassified phases of this work and two persons working on the classified aspects.

A personnel list appears in Appendix I. It is not anticipated that further staff additions will be required between now and June 30.

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INDONESIAN PROJECT 25X1A5a1

DIRECTOR - 

A. PURPOSE

The purpose of this project is to investigate politically significant behavior in a Southeast Asian nation (specifically Indonesia) under both Western and Communist pressures and to develop and apply research techniques for isolating criteria that may be reliably employed in comprehending and predicting politically significant trends in ideologies, institutions, and actions. This group has devoted considerable time to the development of background data, language training, and planning. They are recording, comprehensively and for the first time, the structure and the functional inter-relationships of political institutions and politically significant behavior in Indonesia. The techniques for applying the methodologies of the various social sciences to a large and representative politico-economic community such as Indonesia will: First, enhance our knowledge of a specific area, Indonesia, of great strategic value and about which very little is known, and, secondly, enhance our knowledge of the techniques for investigating cultural, political, and economic change in any complex non-western society.

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B. CURRENT STATUS

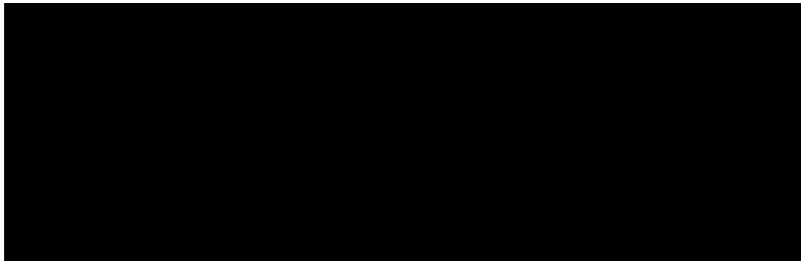
The Indonesian project is progressing according to original plan and schedule, having met with no serious difficulties or delays so far.

1. Members of the project continue to devote some twelve to fifteen hours each week in Indonesian language training, with the assistance of a linguistic specialist and a native informant. They have now completed over one-half of the total course of instruction.

2. Project members have also continued with their studies of materials on political behavior in Indonesia, and meet for three to five hours each week to collaborate on research design.

3. A bibliographic survey has been completed covering all historical and current publications on political behavior on Java, for use in the studies listed above in paragraph 2.

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According to the present schedule, members of the project will continue their preparations throughout the summer, then depart for Indonesia in the fall. Upon arrival there they will spend two to three months in various cities of Java, [REDACTED] 25X1A5a1

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[REDACTED]
After that they will return [REDACTED] to write separate reports along with a joint report. The target date for completion of all final reports is September, 1952.

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The major unknown facing successful completion of the project is the political and security situation in Indonesia.

G. PERSONNEL

For all practical purposes the project is not a classified one. Most of the members of the project have been cleared to work with classified materials and these will be referring to classified materials within the next few months of background reading. It is planned to add two to three more persons to the project in due course.

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STUDIES IN INTERNATIONAL COMMUNISM

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A. PURPOSE

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The object of this study [REDACTED] is to 25X6A
analyze the development, social composition, structure and organization,
policy and program, and the leadership of [REDACTED]
in an attempt to determine its strengths and weaknesses and to assess
its potentialities and capabilities as an instrument of international
communism.

B. CURRENT STATUS

25X6A 1. Owing to a considerable delay in the acquisition of essential
basic materials (a microfilm copy of selected government reports and
most of the [REDACTED] materials were not received
until after March 6, 1952), the original timetable, which envisioned
completion of parts of the project as early as January 31, 1952, has
had to be revised. While the final deadline, the end of June 1952,
is expected to be met, it is now anticipated that the first draft of
the project will not be ready for submission until mid-May. By
rough estimate the project may be said to be about 50% completed at
the present time.

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STUDIES IN INTERNATIONAL COMMUNISM

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2. The type of materials now in hand indicates that certain portions of the outline submitted on January 17, 1952 and approved by the sponsor on January 31, 1952 cannot be adequately handled. Topics such as the social composition of the Party membership, certain aspects of the informal organization of the Party, and the effectiveness of the activities of the Party at the local level come under this reservation.

3. The materials, on the other hand, are quite helpful on the question of factionalism, on Party history, profiles of leaders, and on the Party and [REDACTED] society. It is planned to concentrate on these topics and develop them as much as possible, leaving for later exploitation less adequately documented subjects.

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MACHINE INDEXING PROJECT

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DIRECTOR

1. PURPOSE

This project has undergone no change as to the purpose. It is the development of a system for indexing scientific and technical material so that automatic equipment, especially certain recently developed IBM machines, can be used to scan the indices and select out desired information. The indexing system is being designed so as to be able to embrace documents referring to minor items (e.g., an account of a single experiment) or to more comprehensive reports (e.g., a paper covering a program of related experiments or a general review).

2. CURRENT STATUS

Since reporting last, a clearer picture has been formed of the indexing procedure. It will consist of three steps. First the documents will be read by analysts having expert knowledge of the subject matter, and words and phrases appropriate for indexing the material will be underlined or written in as marginal notes. Encoding of the selected and marginally noted words and phrases is the next step. Here two purposes will be accomplished. First, the encoding of each word or phrase as such

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MACHINE INDEXING PROJECT

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will relate it to other terminology useful for machine searching. Thus the encoding of a document dealing with "dog" will simultaneously make that document searchable under "mammal" and "animal". In order that this use of generic terminology can be accomplished efficiently, a comprehensive coding system is being constructed from the terminology of science and technology. Secondly, the encoding step will indicate certain general relationships between the things, persons, processes, attributes, effects, etc., with which a document is concerned. This portion of the coding will distinguish "man bites dog" from "dog bites man". In setting up a file, the final step will be the punching of the cards.

This project consists of three principal studies:

1. The processing of scientific and technical terminology in order to construct the coding system;
2. The development of methods for discerning and designating relationships of the type exemplified by "man bites dog"; and
3. The testing of the entire indexing method by applying a portion of the coding system to actual intelligence material. The first two of these studies are not classified, but the third is.

At present, the first study--the processing of terminology--is being conducted [REDACTED]

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(time) as professionally-trained assistants, and with a varying number of part-time clerical aides (average perhaps equal to about three full-time persons). At present, [REDACTED] is also participating in this work. 25X1A5a1

25X1A5a1 As previously reported, a collection of subject heading lists, classification schemes, and indexing systems was made. (See attached list compiled [REDACTED] These have been used as a source of terminology for constructing the machine indexing system.

The plan of procedure is to enter each term on a "Keysort" card together with the dictionary definition and other available information concerning the meaning and use of the term.

Since last reporting, this file has expanded from about 3,800 cards to over 16,000 cards. Definitions have been entered on about two-thirds of the cards, and the rest of the cards are being furnished with definitions.

Immediately following the entry of definitions on the cards, they are punched to indicate the type of term, i.e., whether referring to materials, machines, processes, concepts, or attributes, and the general field to which the term pertains, viz., chemical, physical, mechanical, biological, and general. About 10,000 cards have been punched and separated

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MACHINE INDEXING PROJECT

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into general categories, namely terms pertaining to only one of the general fields, to two of the general fields, and those pertaining to three fields. This provides a basis for further grouping of the terms as to branches of science and technology in which they are used.

This study, directed to the systematization of terminology, is estimated to be one-half completed. The final report will consist principally of two dictionary-like lists. One of these will be an alphabetized list of terms with the corresponding code symbol. The other will be alphabetized by code symbols, each of which will be followed by the corresponding term. The target date on the final report is November 1, 1952. Interim lists are planned for critical review by consultants having expert knowledge of the various fields involved.

The second study--the development of methods for discerning and designating relationships (such as "man bites dog")--has occupied the full

time of [REDACTED] since January 1st. Previous to that, [REDACTED]

[REDACTED] had investigated this problem and together with [REDACTED] the project director, had conducted exploratory experimental work.

As a consequence of these studies, a set of principles for designating relationships has been worked out and these will be subjected to experimental test in the near future. This part of the project is being conducted at Washington.

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MACHINE INDEXING PROJECT

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25X1A9a The third study--the testing of the entire indexing method--is being conducted using intelligence material in the field of agronomy. An analyst, [REDACTED] recently resigned from the Biology Division of OSI, kindly cooperated by marking and annotating some 2,000 documents dealing with agriculture, so that for these documents it is clear what words and phrases must be used to index these documents. [REDACTED] are now ready to start encoding this material.

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After a series of postponements, it now seems fairly certain that the new IBM machines will be available in Washington around April 25th. This study is probably about half completed. Target date for a report on this preliminary testing is 1 July, 1952.

C. DIFFICULTIES ENCOUNTERED

25X1A5a1 Serious delays in the progress of this project have been caused in the past by inability to obtain clerical help and space for the operations being conducted [REDACTED] in Washington. It is hoped that an improvement in this situation will occur when the new IBM machines arrive in Washington around April 25th. If the anticipated improvement does not eventuate, the testing of the new indexing system with intelligence material cannot be accomplished in time to provide needed experience and background to guide further development.

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